

Joint Biological Point Detector System (JBPDS)

Description

The suite will consist of complementary detector, collector, and identifier technologies to detect and identify biological threat agents in near real time. The suite will be capable of detecting Biological Warfare (BW) agents in quantities below the amount needed to impact combat effectiveness. The suite will be capable of identifying BW agents in less than 20 minutes.

Operational Impact

During Operation Desert Storm, the inability of U.S. forces to effectively defend against BW agents was identified as a major deficiency. Current National Military Strategy specifies a worldwide force protection capability that requires detection, identification, and vaccination in order to protect U.S. forces against potential BW threats.

The JBPDS will meet the Joint Chief's urgent need to enhance the survivability of U.S. forces. It will provide commanders with near-real-time biological agent detection and warning, identification and sample collection capabilities. The primary purpose of the JBPDS will be to limit the effects of biological agent attacks that have the potential for catastrophic effects to U.S. forces at the operational level of war. It may also assist medical personnel in determining effective preventive measures and the appropriate treatment if exposure occurs. Detection and identification of biological agents within the theater of operations will increase the effectiveness of U.S. forces by limiting adverse impacts on operations and logistical systems. The JBPDS will provide the Marine Corps its first capability for point detection and identification of airborne BW agents.

Program Status

JBPDS is entering the second phase of LRIP for nine systems (four Man Portable, four Shelter, and one shipboard) that will be used for the Operational Assessment in FY02. Milestone III is anticipated in August 2003, with IOT&E scheduled in FY05.

<i>Procurement Profile</i>	<i>FY02</i>	<i>FY03</i>
<i>Quantity:</i>	0	0
<i>Developer/Manufacturer</i>	Prime Intellitec, DeLand, FL	
	Subcontractor Battelle, Columbus, OH	